

## Summary of DAT Conference Call 2/10/2009

Participants: SGreene(DWR), EGleason(DFG), GAasen(DFG), LShih(CCWD), TBoardman(SLDMWA), JSnow(WWD), MFord(DWR), FCarillo(FWS), JWhite(DWR), NHindman(FWS), CStroble(DWR), RShahcheraghi(DWR)

### Conclusions and Recommendation

The third smelt larval survey was completed last week. Longfin larvae were collected Delta-wide. Longfin larvae were again present at 9 of the 12 DFG 2084 criteria stations. Nine delta smelt larvae were present at 2 locations; Suisun Bay and Chipps Island.

No operational changes were recommended at this time.

**The DAT Conference Call is cancelled for next week, 2/17/2009, because Monday is a holiday. I will collect information as it is available and distribute by email.**

**Next DAT Conference Call Tuesday, 2/24/2009, 9:00 am - 11:00 am. 916/657-4111.**

### Chinook Monitoring

#### Upper Sacramento River

##### Red Bluff Diversion Dam -

Juvenile winter run passage averaged 13/day for the past week.

Young of the year passage averaged 41,047/day last week. No steelhead. FWS caught 127 ad-clipped Chinook and 62 ad-clipped steelhead last week.

Red Bluff flow averaged about 4,177 cfs and the water is clear. The weather forecast is about an inch of rain this evening. The flow could increase to 10,000 cfs.

FWS posts biweekly reports on the Bay-Delta and Tributaries Project website, at [http://baydelta.ca.gov/Php/Special\\_Reports/red\\_bluff.php](http://baydelta.ca.gov/Php/Special_Reports/red_bluff.php)

Mill Creek – DFG caught 3 fry last week; no yearlings or steelhead. Flow increased a little during the last rain

to 160 cfs.

Deer Creek – DFG caught 1 fry last week; no yearlings or steelhead. Flow increased a little during the rain last week to about 170 cfs.

Butte Creek – no report

GCID – Catch decreased to an average 46/day fry per day, 0.33/day older juveniles. Flow is about 4,600 cfs.

Knights Landing – Catch decreased to 25 fry Chinook last week, or 0.98/trap-day, 3 ad-clipped Chinook and 2 ad-clipped steelhead. No non-clipped steelhead. Flow is about 5,300 cfs.

#### Delta Monitoring

FWS caught a few Chinook and steelhead in the lower Sacramento River seines, Sacramento trawl and at Chipps Island. Also, they caught some adult longfin smelt and adult delta smelt at Chipps Island.

Lower Sacramento Seine - 1 sample day, 3 samples, 6 older juvenile Chinook, 1 ad-clipped Chinook and 2 adult splittail.

Sacramento trawl - 3 sample days, 30 samples, 5 ad-clipped steelhead.

Chipps Island trawl - 3 sample days, 39 samples, 1 older juvenile Chinook, 9 ad-clipped Chinook, 1 steelhead, 7 ad-clipped steelhead, 8 adult longfin and 1 adult delta smelt, and 1 adult splittail.

#### Delta Smelt Monitoring

Smelt larval survey #3 was completed last week. All 35 stations were sampled, of which 28 stations have been processed so far. 1,494 longfin larvae collected and present at 25 stations Delta-wide. 9 of the 12 DFG 2084 criteria stations had longfin larvae. Nine delta smelt larvae were collected and present at 2 stations; Suisun Bay (504) and Chipps Island (508). The next larval survey, #4, is scheduled for the week of 2/16.

[http://www.delta.dfg.ca.gov/data/sls/CPUE\\_map.asp](http://www.delta.dfg.ca.gov/data/sls/CPUE_map.asp)

Spring Kodiak trawl survey #2 is under way.

<http://www.delta.dfg.ca.gov/data/skt/DisplayMaps.asp>

### Salvage Facilities

Chinook – Clipped Chinook loss at the CVP was 4, and at the SWP, 41. Season total non-clipped winter run length loss is 27, and the season total Livingston Stone hatchery winter run loss is 0.

Steelhead – Clipped steelhead salvage at the SWP was 6 last week. None at the CVP. Season total non-clipped steelhead salvage is 15, and ad-clipped salvage is 15.

Delta smelt – None

Splittail – None

Longfin smelt - None

Green Sturgeon – None

The DFG Salvage Database can be accessed at this web site: [www.delta.dfg.ca.gov/data/salvage/](http://www.delta.dfg.ca.gov/data/salvage/)

### Operations

#### SWP -

CCFB – 1,000 cfs

Oroville - 950 cfs

X2 - > 81 km, the actual value is 86.7

E/I – 14-day 16.9%

San Luis - ~399 taf, capacity is 1.062 taf

#### CVP -

Jones PP – 1,000 cfs

DCC - closed

Trinity – 300 cfs

Clear Creek – 200 cfs

Keswick – 3,250 cfs

Nimbus – 800 cfs

Goodwin – 350 cfs water quality

San Luis - 306 taf. Capacity is 966 taf

#### Flows

Sacramento River at Freeport ~ 8,700 cfs

San Joaquin River at Vernalis ~ 1,300 cfs

Delta Outflow ~ 10,800 cfs, 3-day average 10,500 cfs

OMR 14-day average -1,592 cfs, 5-day average is -788 cfs

### Delta Water Quality

The 3-day average turbidity at Prisoners Point = 5.30 NTU, at Holland Cut = 4.16 NTU, and at Victoria Canal = 5.18 NTU.

The 3-day water temperature at Antioch = 10.5 C, at Rio Vista = 10.7 C, and at Mossdale = 12.2 C. The three station average = 11.1 C. The criteria is 12 C.

### February Quality Standards –

Habitat Protection - Meeting Collinsville objective for the entire month of February and Chipps Island objective for 24 days.

Salinity Starting Condition - The daily or 14-day running average EC at Collinsville  $\leq$  2.64 mS/cm for at least one day between Feb. 1-14.

Vernalis Base Flow - Minimum monthly average flow  $\Rightarrow$  1,140 cfs, 7-day average  $\Rightarrow$  912 cfs

Delta Cross Channel – Closed

E/I Ratio – 45%

Contra Costa Canal – CI  $\leq$  250 mg/L. In addition, CI  $\leq$  150 mg/L for 165 days per calendar year based on Dry Year Classification.

South Delta – 30-day average EC  $\leq$  1.0 mS/cm.

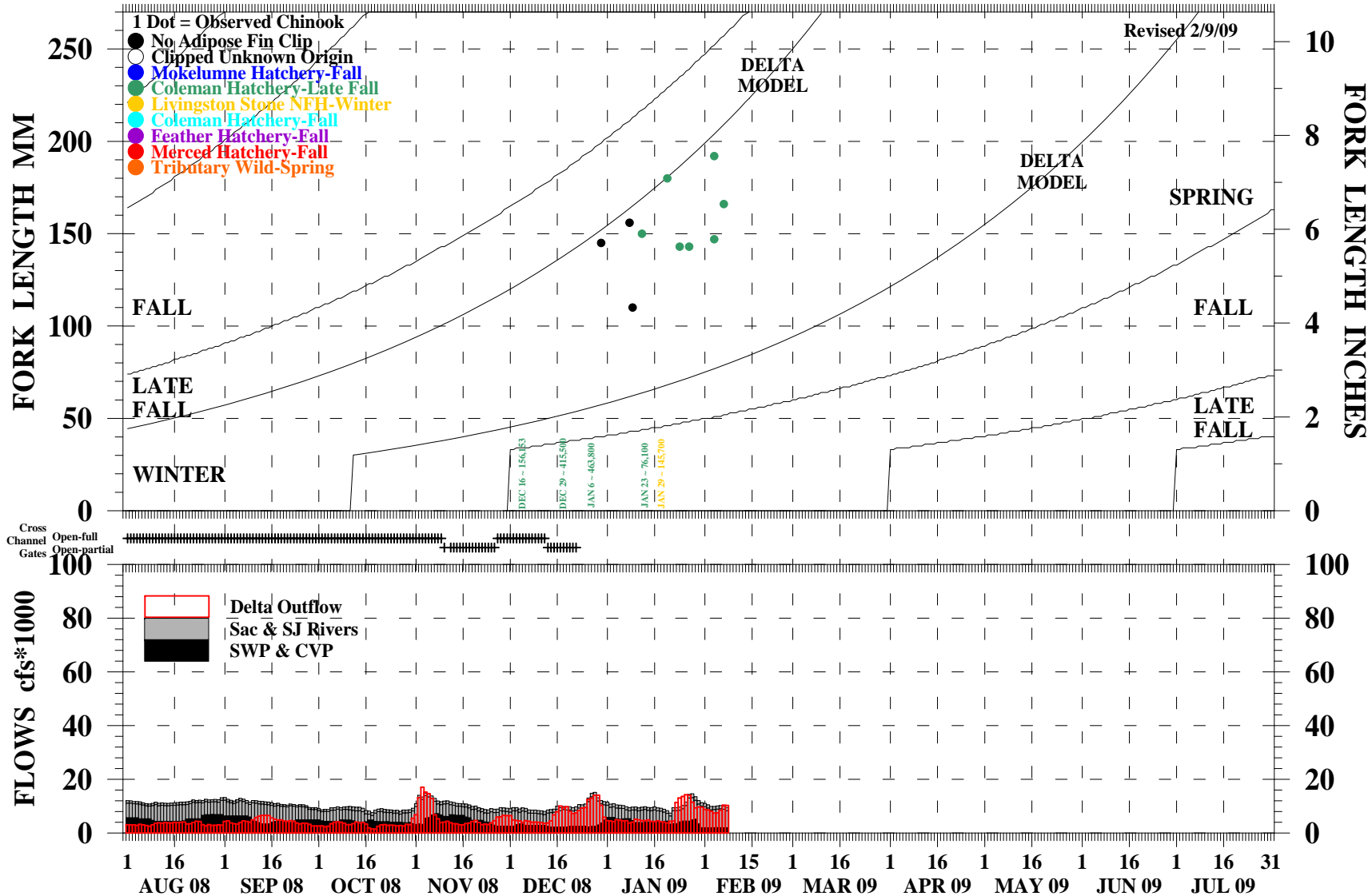
Western Suisun Marsh -  $\leq$  15.6 mS/cm.

Final copies of the DAT notes are now available on the CALFED Operations website at <http://www.woco.water.ca.gov/calfedops/datsummaries.html>.

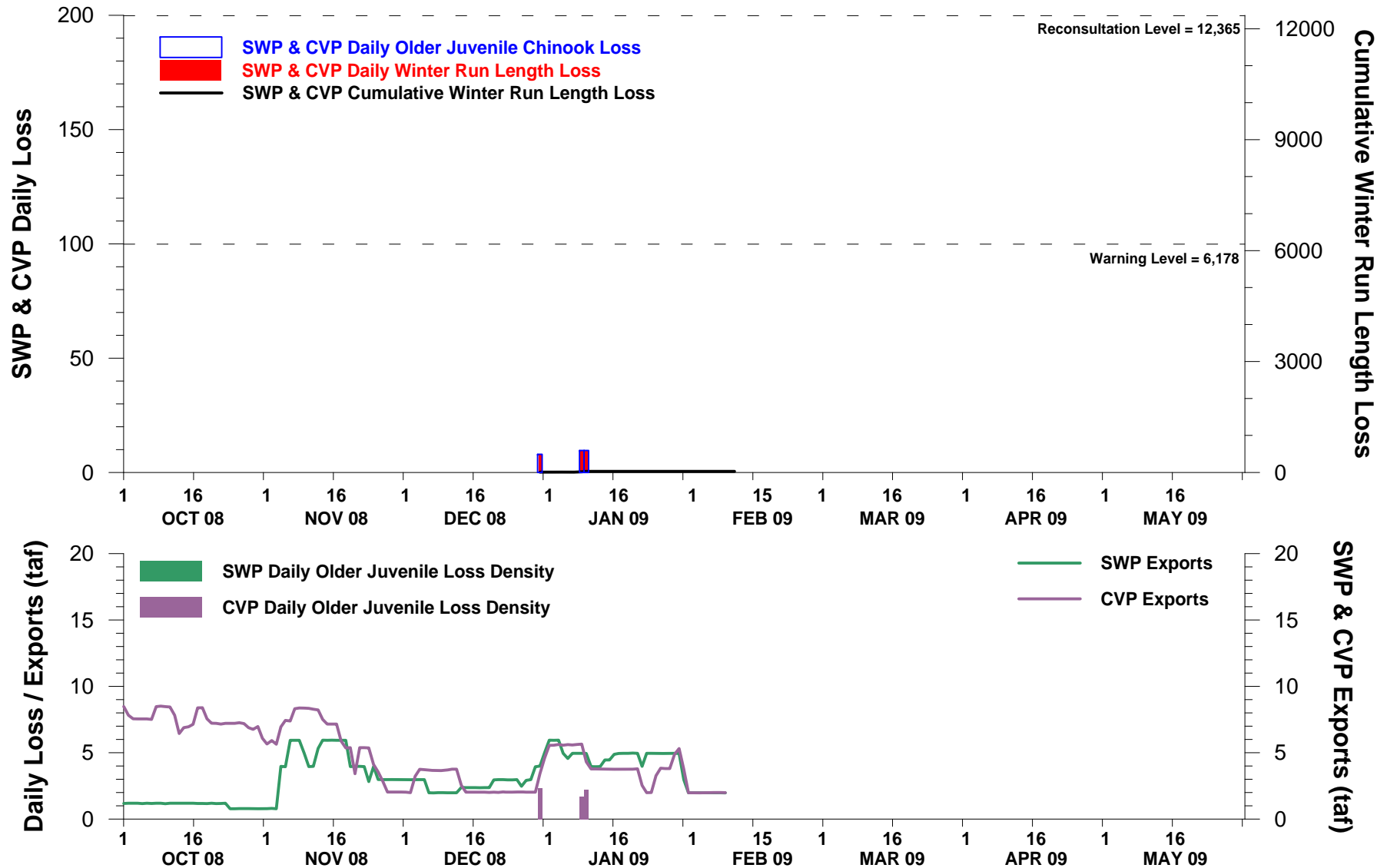
*Sheila Greene*

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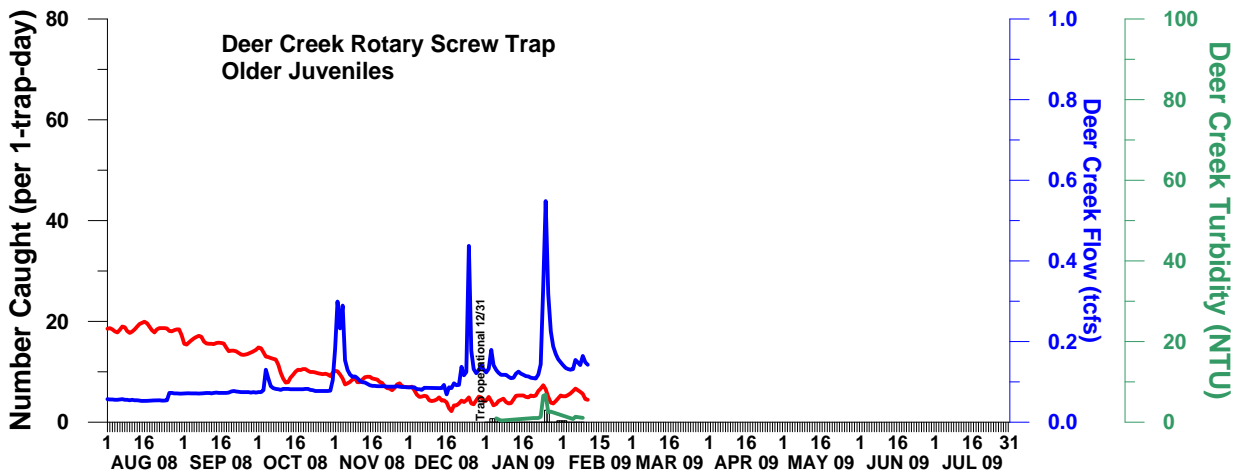
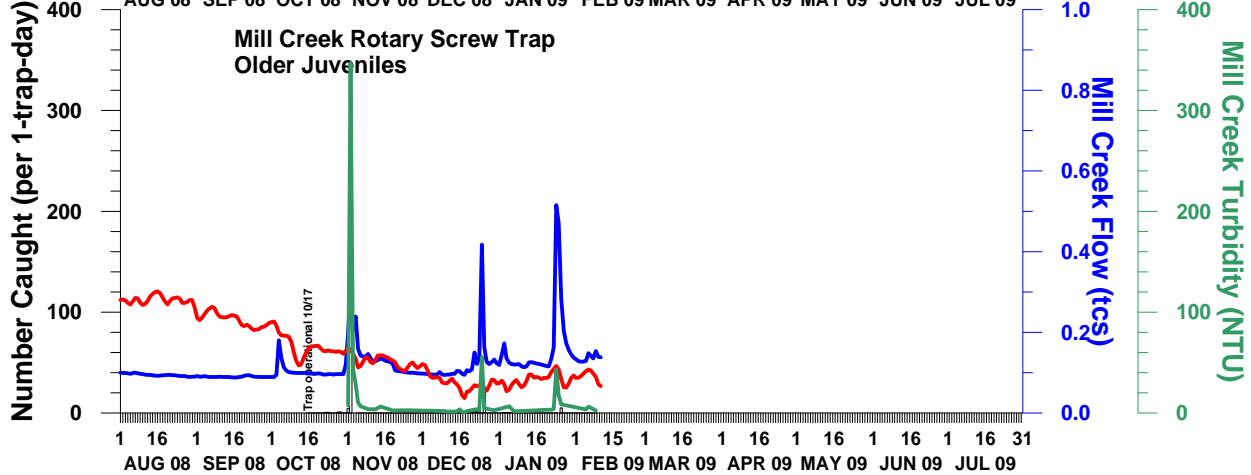
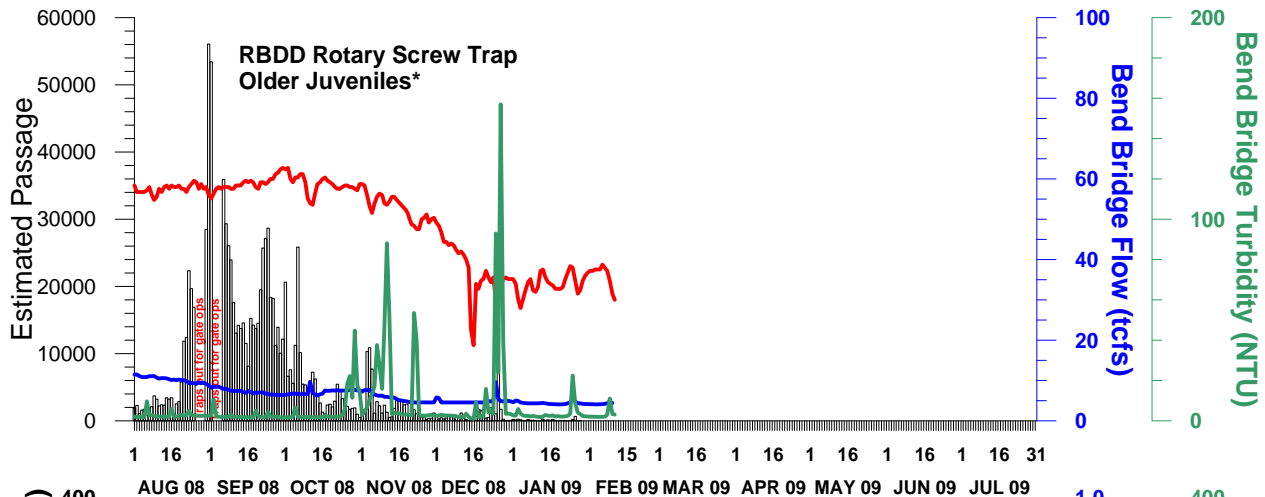
# OBSERVED CHINOOK SALVAGE AT THE SWP & CVP DELTA FISH FACILITIES 8/1/2008 THROUGH 2/9/2009



# WINTER RUN & OLDER JUVENILE CHINOOK LOSS AT THE DELTA FISH FACILITIES 01 OCT 2008 THROUGH 9 FEB 2009



# NUMBER OF JUVENILE CHINOOK MEASURED IN THE UPPER SACRAMENTO RIVER & TRIBUTARIES

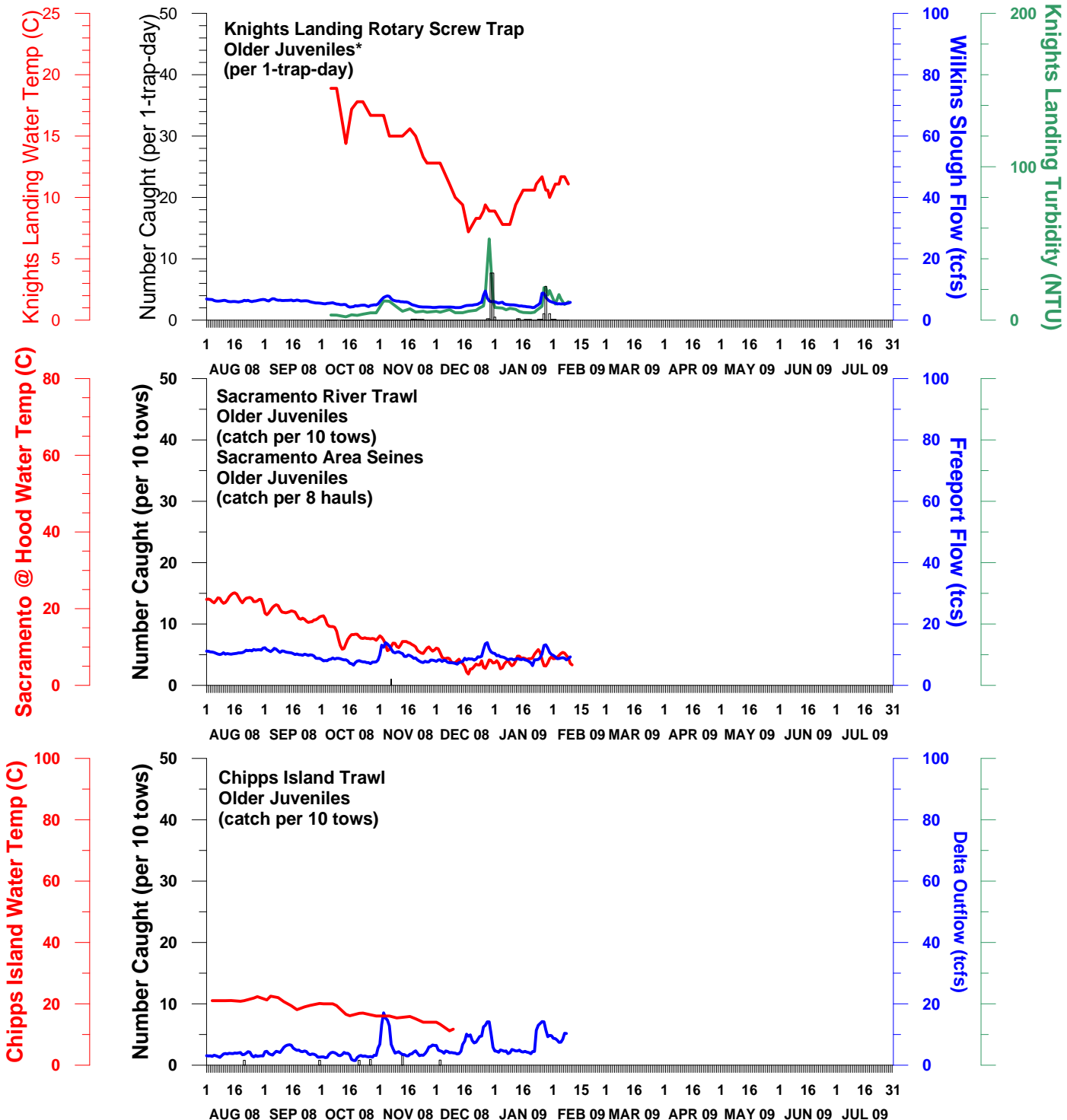


DWR-DES 11 Feb 2009

Preliminary, subject to revision

\*Older juveniles defined as all Chinook above the minimum winter run length line (Frank Fisher model)

# NUMBER OF JUVENILE CHINOOK MEASURED IN THE LOWER SACRAMENTO RIVER & TRIBUTARIES

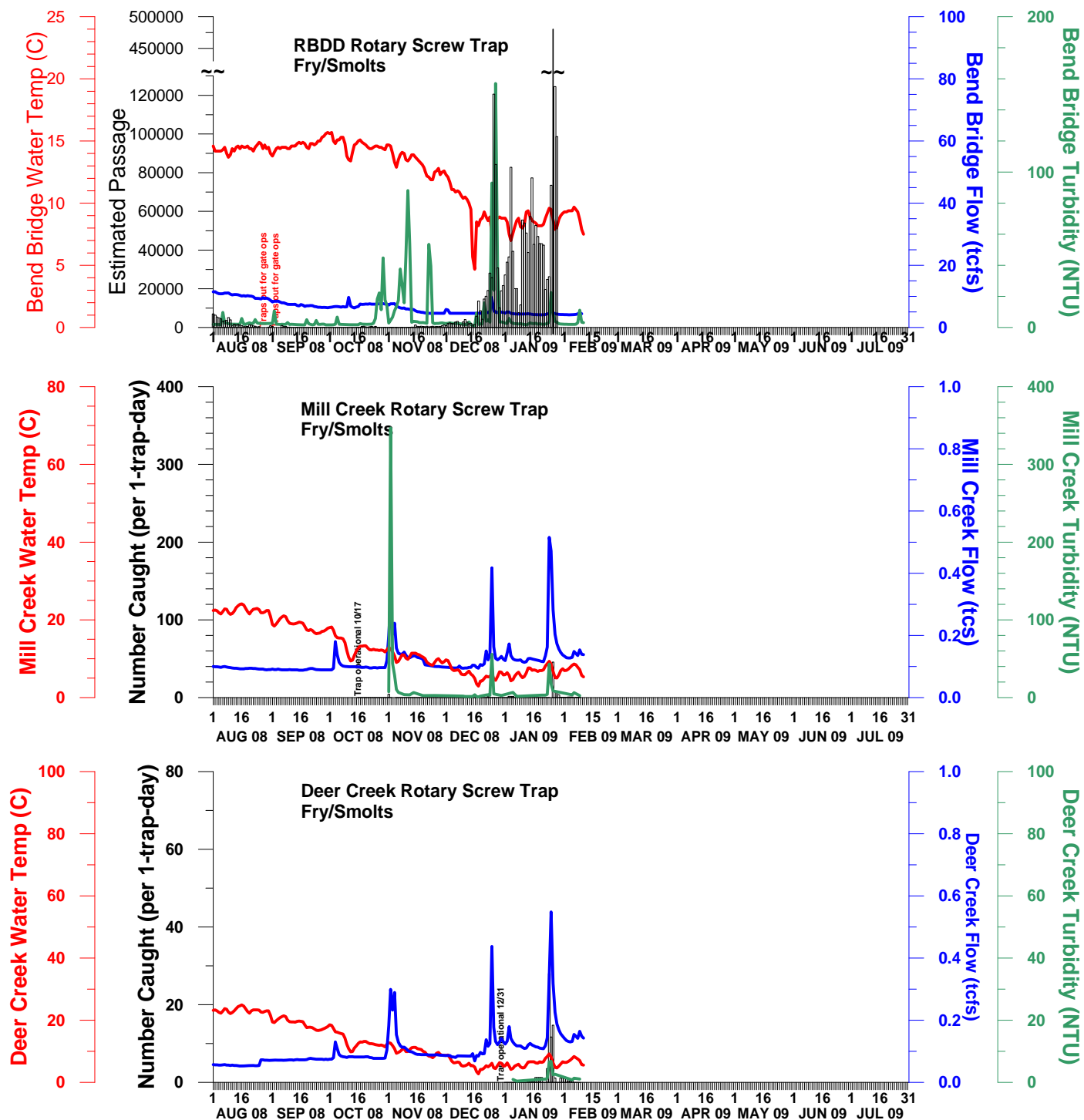


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# NUMBER OF FRY/SMOLT CHINOOK MEASURED IN THE UPPER SACRAMENTO RIVER & TRIBUTARIES

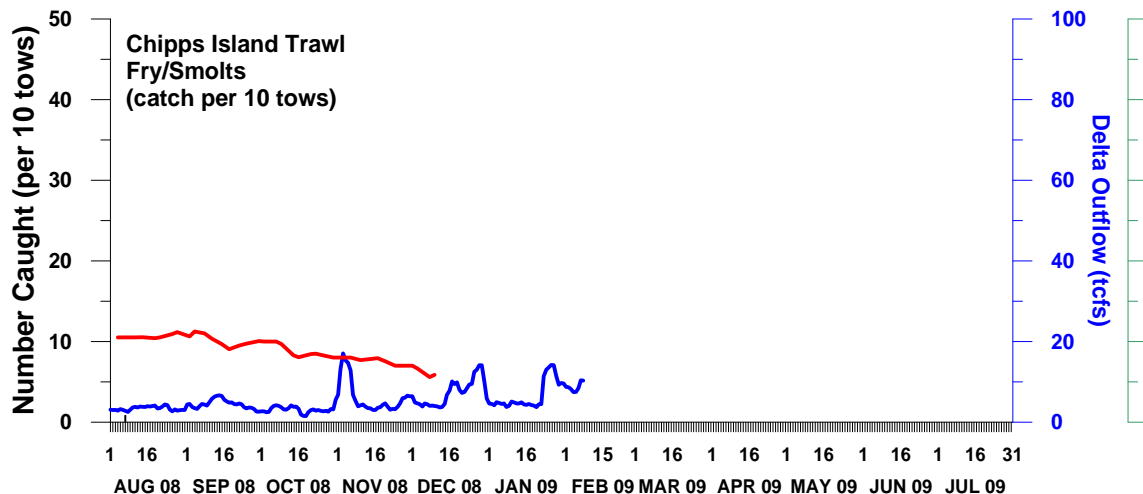
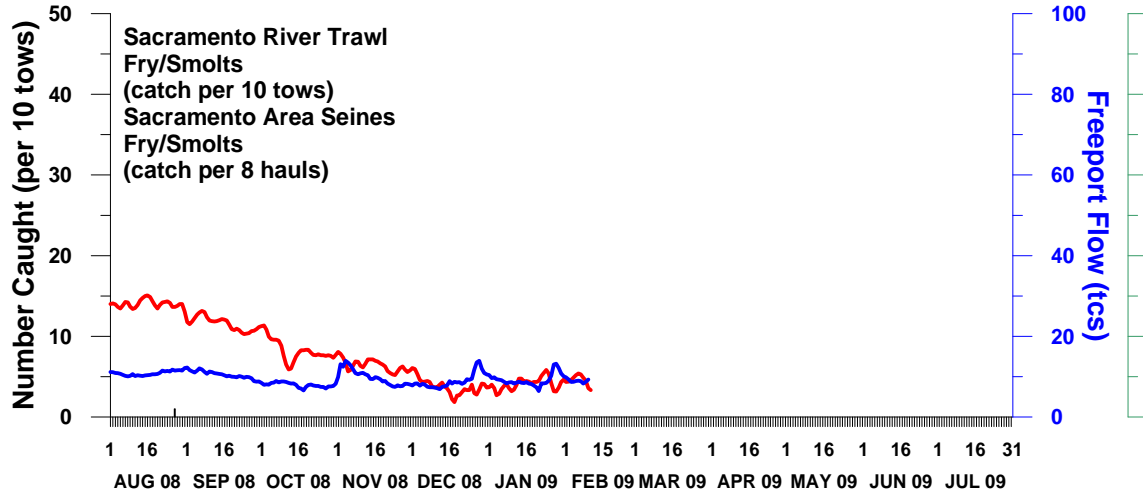
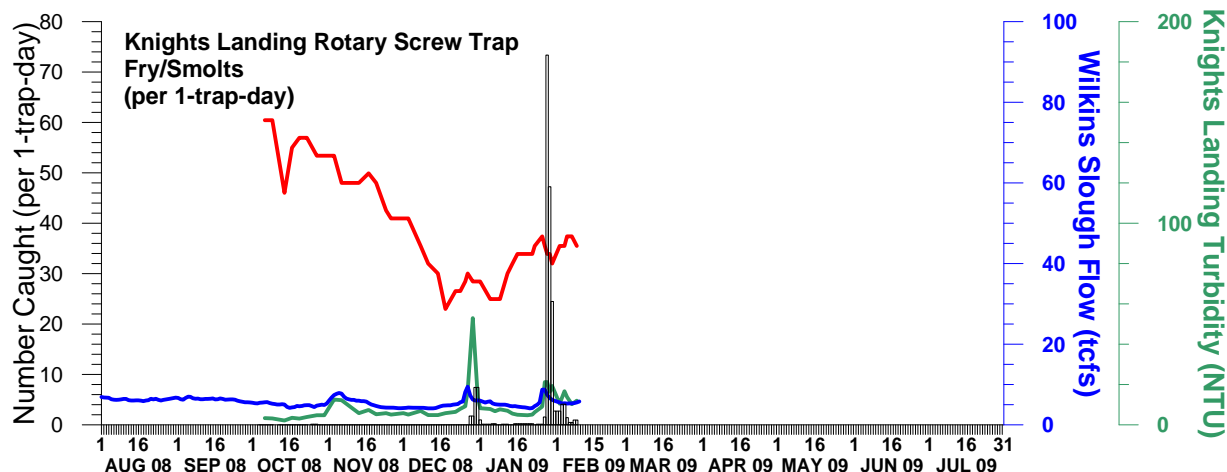


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